

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	950535	(request\$1 insert\$3 add\$3) same (two multiple pluralit\$3) and (parallel\$3 multi-task\$3 multi\$1task\$3 concurrent\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 09:40
S2	243735	S1 and (link\$2 url\$1 hyperline\$1 hot\$1link\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 09:40
S3	14640	S1 and ((link\$2 url\$1 hyperline\$1 hot\$1link\$1) same connect\$3 same location\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 09:41
S4	109	S1 and ((link\$2 url\$1 hyperline\$1 hot\$1link\$1) same connect\$3 same location\$1) and 707/104	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 09:45
S5	23	S4 and (parallel near process\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 09:45
S6	268	S1 and ((link\$2 url\$1 hyperline\$1 hot\$1link\$1) same connect\$3 same location\$1) and 707/10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 09:45
S7	57	S6 and (parallel near process\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 09:48
S8	0	S7 and ((insert\$3 add\$3) near request same database)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 09:49

EAST Search History

S9	12	S7 and ((insert\$3 add\$3) same request same database)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 09:50
S10	8948	(load\$3 sendd\$3 updat\$3 merg\$3) same (link\$1 hyperlink\$1 hotlink\$1) same (database (data near base) repositor\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 09:51
S11	416	S10 and ((insert\$3 add\$3) same request\$1 same connection\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 09:55
S12	1	S10 and ((insert\$3 add\$3) same request\$1 same connection\$1 same (parallel near process\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 09:57
S13	36	S10 and ((link\$1 url\$1 hyperlink\$1 hot\$1link\$1) same connect\$3 same location) and 707/104	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 09:59
S14	101	S10 and ((link\$1 url\$1 hyperlink\$1 hot\$1link\$1) same connect\$3 same location) and 707/10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 09:59
S15	0	S14 and ((insert\$3 add\$3) same request\$1 same connection\$1 same (parallel near process\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 10:00
S16	9	S14 and ((insert\$3 add\$3) same request\$1 same connection\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 10:02
S17	0	((insert near request) same link same process\$3 with parallel). clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/15 10:03



STIC Search Report

EIC 2100

STIC Database Tracking Number: 201705

TO: Thanh-ha Dang
Location: RND 3B15
Art Unit: 2163
Friday, September 15, 2006

Case Serial Number: 10/075338

From: Emory Damron
Location: EIC 2100
RND 4B19
Phone: 571-272-3520

Emory.Damron@uspto.gov

Search Notes

Dear Thanh-ha,

Please find below your fast and focused search results.
References of potential pertinence have been tagged, but please review all the packets in case you like something I didn't.
Of those references which have been tagged, please note any manual highlighting which I've done within the document.

There may be a few decent references contained herein, but I'll let you determine how useful they may be to you.

Please contact me if I can refocus or expand any aspect of this case, and please take a moment to provide any feedback (on the form provided) so EIC 2100 may better serve your needs. Good Luck!

Sincerely,
Emory Damron
Technical Information Specialist
EIC 2100, US Patent & Trademark Office
Phone: (571) 272-3520
Emory.damron@uspto.gov

S1 8820 S URL? ? OR (ODBCDSN OR ODBC()DSN OR ODBC)(5N) (DATA OR SOURCE OR NAME OR
DATABASE? OR OPEN? OR CONNECT?)
S2 5610 S HYPERLINK? OR HYPER()LINK? OR UNIFORM()RESOURCE? OR RESOURCE() (LOCATOR?
OR LOCATER?)
S3 2546 S SERVER()ADDRESS? OR MAC()ADDRESS?
S4 25113 S (WEB OR INTERNET) () (PAGE? OR SITE? ? OR ADDRESS?)
S5 7357 S (WWW OR WORLDWIDEWEB) () (SITE? OR PAGE? OR ADDRESS?) OR WEBSITE? OR
WEBPAGE?
S6 2 S WEBADDRESS? OR HTTPSITE? OR HTTPADDRESS? OR HTTPPAGE? OR URLADDRESS?
S7 931 S WWWSITE? OR WWWPAGE? OR WWWADDRESS? OR (HTTP OR WWW OR HTML) () (SITE? OR
ADDRESS? OR PAGE?)
S8 383 S (WORLD()WIDE()WEB OR ONLINE) () (PAGE? OR ADDRESS? OR SITE? ?)
S9 2845832 S INSERT? OR AFFIX? OR EMBED? OR ATTACH? OR AFFIX? OR ENCAPSULAT?
S10 1378756 S INTEGRAT? OR IMPLANT? OR IMBED? OR APPEND? OR INCORPORAT?
S11 430838 S INCAPSULAT? OR EMPLANT? OR INFIX? OR ENCLOS? OR ENVELOP?
S12 323770 S NEST? OR INTERPOS? OR SANDWICH? OR ENWRAP? OR INCLOS?
S13 6716 S S1:S8 AND S9:S12
S14 5040 S STORE? OR STORING OR STORAG? OR LOAD? OR SEND? OR TRANSMIT? OR TRANSMIS?
OR COPY?
S15 708 S SAVE? OR SAVING OR ARCHIVE? OR ARCHIVING? OR ALLOCAT? OR WRITE? OR
WRITING OR WRITTEN
S16 1690 S MIGRAT? OR SENT OR TRANSFER? OR TRANSLOCAT? OR MOVE? OR MOVING? OR
ROUTING?
S17 3223 S SHIP???? OR MAIL???? OR ROUTE? OR MAP? ? OR MAPP???? OR REROUT? OR
CONNECT?
S18 122 S REDIRECT? OR MIGRAT? OR RELOCAT? OR TRANSMIGRAT?
S19 1284 S DISPATCH? OR UPLOAD? OR DOWNLOAD? OR FORWARD? OR POST???
S20 367 S IMPORT? OR EXPORT? OR TRANSPORT? OR BACKUP? OR BACK?()UP
S21 5757 S DATA OR OBJECT? OR FILE? OR DATAFILE? OR RECORD? ? OR DATAOBJECT? OR
INFO OR INFORMATION?
S22 1828 S DATABASE? OR TABLE? OR LUT? ? OR LOOKUPTABLE? OR (LOOK()UP OR
LOOKUP) () TABLE?
S23 3885 S FILESERVER? OR SERVER OR REPOSITOR? OR DATABANK? OR DATABASE? OR
DATASERVER?
S24 40 S DATA() (SERVER? OR ARCHIV?)
S25 22 S DATAFILE? OR DATA() (REPOSITOR? OR HISTOR? OR COMPILATION? OR ARCHIV?)
S26 472 S DATASTOR? OR DATA() (BASE? OR STORAG? OR DEPOSITOR? OR FILE? OR BANK? OR
RECORD?)
S27 45 S DATAARECORD? OR DATA() (REGIST? OR FIELD?)
S28 16 S DATAAREPOSIT? OR DATAARECORD? OR DATASET?
S29 4297 S REQUEST? OR FETCH? OR RETRIEV? OR INTERROGAT? OR QUERY? OR ACCESS? OR
QUERIE?
S30 5326 S IC=G06F?
S31 5390 S MC=T01?
S32 3759 S S13 AND S14:S20 AND (S21 OR S29) AND S22:S28
S33 3554 S S32 AND S30:S31
S34 3759 S S32:S33
S35 1460 S S34 AND S14:S20(5N) (S21 OR S29) AND (S21 OR S29) (5N) S9:S12
S36 485 S S35 AND S9:S12(5N) S1:S8
S37 360 S S36 AND S29 AND S21
S38 356 S S36:S37 AND S14:S20(5N) (S21 OR S29) (7N) S1:S8
S39 312 S S38 AND (S21 OR S29) (7N) S22:S28
S40 312 S S39 AND S1:S8(5N) S9:S12 AND S1:S12(7N) (S21 OR S29)
S41 163 S S40 AND AC=US/PR
S42 139 S S41 AND AY=(1970:2002)/PR
S43 121 S S41 NOT AY=(2003:2006)/PR
S44 149 S S40 NOT S41
S45 73 S S44 AND AY=1970:2002
S46 110 S S44 NOT AY=2003:2006
S47 261 S S42:S43 OR S45:S46
S48 261 IDPAT (sorted in duplicate/non-duplicate order)

? show files

[File 347] JAPIO Dec 1976-2005/Dec(Updated 060404)

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[File 350] Derwent WPIX 1963-2006/UD=200658

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*File 350: DWPI has been enhanced to extend content and functionality of the database. For more info, visit <http://www.dialog.com/dwpi/>.

48/7/198 (Item 198 from file: 350) [Links](#)

Derwent WPIX

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0009864509 *Drawing available*

WPI Acc no: 2000-159917/

XRPX Acc No: N2000-119316

Inter or intranet web browser implemented information accessing method from file system

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: DAUERER N J; KELLEY E E

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6014692	A	20000111	US 1997978015	A	19971125	200014	B

Priority Applications (no., kind, date): US 1997978015 A 19971125

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 6014692	A	EN	8	3	

Alerting Abstract US A

NOVELTY - A URL in the web page is provided with a file system attachment comprising the name, location of desired file system and the identification of the program that avails desired file system. Based on the contents of file system attachment, the desired file system is attached to client computer by directly accessing corresponding database, without accessing web server.

DESCRIPTION - The program which avails desired file system is provided in the client computer. The file system is attached only if client computer receives the request for attachment of desired file system, from user.

INDEPENDENT CLAIMS are also included for the following:

- A. information accessing system from file system;**
- B. storage device for storing program describing information accessing procedure**

USE - For accessing information from file system using computer implemented with inter or intranet web browser.

ADVANTAGE - The information on a file system are directly accessible by the web client user, without accessing the web server, effectively.

DESCRIPTION OF DRAWINGS - The figure shows flow chart explaining information accessing process.

Title Terms /Index Terms/Additional Words: INTER; WEB; IMPLEMENT ; INFORMATION; ACCESS; METHOD; FILE; SYSTEM

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-015/16			Main		"Version 7"

US Classification, Issued: 709217000, 709218000, 709219000; 707002000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-H07C3C; T01-H07C5E; T01-J05B4P; T01-S03

Original Publication Data by Authority

United States

Publication No. US 6014692 A (Update 200014 B)

Publication Date: 20000111

Web browser file system attachment.

Assignee: International Business Machines Corporation, Armonk, NY, US (IBMC)

Inventor: Kelley, Edward E., Wappingers Falls, NY, US

Dauerer, Norman J., Hopewell Junction, NY, US

Agent: DeLio & Peterson, LLC Pe

Ahsan; Aziz M.

Language: EN (8 pages, 3 drawings)

Application: US 1997978015 A 19971125 (Local application)

Original IPC: G06F-15/16(A)

Current IPC: G06F-15/16(A)

Original US Class (main): 709217

Original US Class (secondary): 709218 709219 7072

Original Abstract: A new uniform resource locator (URL) of file system attachment (FSA) is created on a web browser. The new URL combines features of the URLs of HTTP and "file". The new URL first attempts to attach the file system where the data is stored. If the client has access to the data base or the data storage where the requested information is stored, then the web server may be bypassed by using the URL of "file" and use of the server is not required. If the client does not receive access to the data base or the data storage where the requested information is stored, then the URL of FSA will act like the standard URL of HTTP and access data through the server.

Claim:

1. **Claim 7.** A process for accessing information on a computer with an inter- or intra-net web browser from a file system accessible by a web server comprising the steps of:
 - a) providing, on a client computer system, access to a program for making available said desired file system;
 - b) providing in a URL a file system attachment comprising a name of said desired file system, location of said desired file system, and identification of said program for making available said desired file system;

- c) determining if said client computer system is attached to said desired system;
- d) if said client computer system is not attached to said desired system, attempting to attach said desired file system by directly contacting a data base containing said desired file system without accessing said web server;
- e) if said attempt to attach said desired file system in step (d) is successful, utilizing said program and said name and location of said desired file system to obtain information from said desired file system without accessing said web server; and
- f) if said attempt to attach said desired file system in step (d) is unsuccessful, obtaining information from said desired file system by utilizing said URL to send a transaction to said web server, attaching said desired file system with said web server; and returning said information to said client computer system with said web server.

48/7/116 (Item 116 from file: 350) [Links](#)

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0012730831 *Drawing available*

WPI Acc no: 2002-583170/

XRPX Acc No: N2002-462533

Website loading method in repository server for e-commerce applications, involves evaluating user-information inorder to establish mapping between user-information entered in webpage and stored user-information

Patent Assignee: KIRSCH S T (KIRS-I); KLINE C (KLIN-I); NATARAJAN S (NATA-I); ROSE W W (ROSE-I); WU J Z (WUJZ-I); WYLLIE R D (WYLL-I)

Inventor: KIRSCH S T; KLINE C; NATARAJAN S; ROSE W W; WU J Z; WYLLIE R D

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20020083095	A1	20020627	US 2000738457	A	20001213	200262	B

Priority Applications (no., kind, date): US 2000738457 A 20001213

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20020083095	A1	EN	19	8	

Alerting Abstract US A1

NOVELTY - A webpage is encoded and transmitted to a server for registering user-information in a website. The user- information is evaluated by the server inorder to establish a mapping between user-information entered in the webpage and that stored in the server, after which the webpage is deployed for retrieval by user.

DESCRIPTION - An INDEPENDENT CLAIM is included for repository server operation method.

USE - For e-commerce applications.

ADVANTAGE - The complexity involved in website loading to repository server is reduced. Hence operation time for loading is reduced.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the information server system.

Title Terms /Index Terms/Additional Words: LOAD; METHOD; REPOSITORY; SERVE; APPLY; EVALUATE; USER; INFORMATION; ESTABLISH; MAP; ENTER; STORAGE

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-017/60			Main		"Version 7"

US Classification, Issued: 707513000, 707100000

File Segment: EPI;

DWPI Class: T01; W01

Manual Codes (EPI/S-X): T01-J12C; T01-N02B; T01-S01C; W01-A05B

Original Publication Data by Authority

United States

Publication No. US 20020083095 A1 (Update 200262 B)

Publication Date: 20020627

System and methods for integration of a Web site with a repository server

Assignee: Wu, Jackie Zhanhong, Sunnyvale, CA, US (WUJZ-I)

Rose, William W., Saratoga, CA, US (ROSE-I)

Kirsch, Steven T., Los Altos Hills, CA, US (KIRS-I)

Natarajan, Satish, Santa Clara, CA, US (NATA-I)

Wyllie, Russell D., Mountain View, CA, US (WYLL-I)

Kline, Charles, Los Altos, CA, US (KLIN-I)

Inventor: Wu, Jackie Zhanhong, Sunnyvale, CA, US

Rose, William W., Saratoga, CA, US

Kirsch, Steven T., Los Altos Hills, CA, US

Natarajan, Satish, Santa Clara, CA, US

Wyllie, Russell D., Mountain View, CA, US

Kline, Charles, Los Altos, CA, US

Agent: GERALD B ROSENBERG, NEW TECH LAW, 285 HAMILTON AVE, SUITE 520, PALO ALTO, CA, US

Language: EN (19 pages, 8 drawings)

Application: US 2000738457 A 20001213 (Local application)

Original IPC: G06F-17/60(A)

Current IPC: G06F-17/60(A)

Original US Class (main): 707513

Original US Class (secondary): 707100

Original Abstract: A Web site is integrated with an information repository server storing user-information to provide for the selective submission of user-information to the Web site. A form Web page deployable by the Web site is first prepared by establishing a specification of user-information needed to complete the form Web page for a given user. The Web page is then coded to issue a request including the specification to the information repository server in response to a predetermined user action. The specification is evaluable by the information repository server to determine a mapping between user-information requested by the Web page and the user-information stored by the information repository server for the user. The Web page is then deployed for retrieval by the user. When the specification is subsequently evaluated, mapping and conversion functions are applied, specific to the user-information stored for a particular user, to return data for completion of the form Web page.

Claim:

1. 1. A method of integrating a Web site with an information repository server storing user-information to provide

for the selective submission of such user-information to said Web site, said method comprising the steps of:

- a) establishing a specification of user-information requested by a Web page from a user;
- b) encoding said Web page to issue a request including said specification to said information repository server in response to a predetermined user action, wherein said specification is evaluated by said information repository server to establish a mapping between user-information requested by said Web page and the user-information stored by said information repository server for said user; and
- c) deploying said Web page for retrieval by said user.

48/7/93 (Item 93 from file: 350) [Links](#)

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0013117406 *Drawing available*

WPI Acc no: 2003-199099/200319

XRPX Acc No: N2003-158317

Single system image provision method in cluster-based network-attached file server system, involves inserting cluster media access control address to response of client request

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC); LENOVO SINGAPORE PTE LTD (LENO-N)

Inventor: CHEN Y; REED B C

Patent Family (2 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20020165964	A1	20021107	US 2001839794	A	20010419	200319	B
US 7051115	B2	20060523				200635	E

Priority Applications (no., kind, date): US 2001839794 A 20010419

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20020165964	A1	EN	10	2	

Alerting Abstract US A1

NOVELTY - An Internet protocol (IP) address is assigned as a cluster IP address which is bounded to a node in a cluster. Client request is directed to the cluster IP address and is multicasted to all nodes and is filtered based on dynamically adjustable work **load** distribution function. A cluster media **access control (MAC) address** is inserted to an obtained response of the **request** and is **transmitted** from the node to the client.

DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

1. Single system image provision apparatus; and
2. Article of manufacture comprising recorded medium storing single system image provision program.

USE - For providing single system image in cluster-based network attached file server (NAFS) system.

ADVANTAGE - Provides system that is easier to use, and does not require user application modification or manual workload distribution to gain performance availability and reliability benefits of cluster and to choose load balancing optimization schemes.

DESCRIPTION OF DRAWINGS - The figure shows the flowchart of the single system image provision apparatus.

Title Terms /Index Terms/Additional Words: SINGLE; SYSTEM; IMAGE ; PROVISION; METHOD; CLUSTER; BASED; NETWORK; ATTACH; FILE; SERVE; INSERT; MEDIUM; ACCESS; CONTROL;

ADDRESS; RESPOND; CLIENT; REQUEST

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-015/16			Main		"Version 7"
G06F-0015/16	A	I	F	B	20060101

File Segment: EPI;

DWPI Class: T01; W01

Manual Codes (EPI/S-X): T01-M02; T01-N01D1B; T01-N02A3B; T01-N02B1; W01-A06E1A

Original Publication Data by Authority

United States

Publication No. US 20020165964 A1 (Update 200319 B)

Publication Date: 20021107

Assignee: INT BUSINESS MACHINES CORP; US (IBMC)

Inventor: CHEN Y

REED B C

Language: EN (10 pages, 2 drawings)

Application: US 2001839794 A 20010419 (Local application)

Original IPC: G06F-15/16(A)

Current IPC: G06F-15/16(A)

Publication No. US 7051115 B2 (Update 200635 E)

Publication Date: 20060523

Assignee: LENOVO SINGAPORE PTE LTD; SG (LENO-N)

Inventor: CHEN Y

REED B C

Language: EN

Original IPC: G06F-15/16(B,I,H,US,20060101,20060523,A,F)

Current IPC: G06F-15/16(B,I,H,US,20060101,20060523,A,F)

48/7/90 (Item 90 from file: 350) Links

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0013204248 *Drawing available*

WPI Acc no: 2003-288499/

XRPX Acc No: N2003-229330

Computer system connected to internet, has system component which utilizes common namespace structure representing both local file system and world wide web addresses to resolve received address

Patent Assignee: MICROSOFT CORP (MICKT)

Inventor: BELFIORE J D; CHEW C H; GUZAK C J; NAKAJIMA S

Patent Family (2 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20020188758	A1	20021212	US 1997816449	A	19970312	200328	B
			US 2002208228	A	20020730		
US 6678724	B2	20040113	US 2002208228	A	20020730	200405	E

12 MARCH
1997
FD

Priority Applications (no., kind, date): US 1997816449 A 19970312; US 2002208228 A 20020730

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20020188758	A1	EN	20	15	Continuation of application US 1997816449

Alerting Abstract US A1

NOVELTY - A memory stores a system component which utilizes a common namespace structure representing both local file system and world wide web (WWW) addresses to resolve a received address and to represent a point either in the local file system or in the WWW. The system component retrieves data from the point and utilizes one of several modules in a universal document viewer program to display the retrieved data.

DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

1. Arbitrary content retrieval and display method;
2. Computer readable medium storing arbitrary content retrieving and displaying program;
3. Data file display method; and
4. Common code utilization method.

USE - Computer system connected to internet for displaying arbitrary content used by web browser.

ADVANTAGE - Facilitates easy usage of uniform reference objects or shortcuts for storing references to the file system and internet addresses within the file system, by incorporating both file system and internet addresses in the common namespace. Allows user to manipulate the contents of the directory, by displaying the contents using the common code.

DESCRIPTION OF DRAWINGS - The figure shows a flowchart illustrating the data content display process.

Title Terms /Index Terms/Additional Words: COMPUTER; SYSTEM; CONNECT; COMPONENT; UTILISE; COMMON; STRUCTURE; REPRESENT; LOCAL; FILE; WORLD; WIDE; WEB; ADDRESS; RESOLUTION; RECEIVE

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-015/16			Main		"Version 7"

US Classification, Issued: 709245000, 709219000, 709219000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-N02B1; T01-N02B2; T01-N03A1; T01-S03

Original Publication Data by Authority

United States

Publication No. US 20020188758 A1 (Update 200328 B)

Publication Date: 20021212

Common namespace for internet and local filesystem objects

Assignee: Microsoft Corporation, Redmond, WA, US (MICT)

Inventor: Nakajima, Santoshi, Redmond, WA, US

Belfiore, Joseph D., Redmond, WA, US

Guzak, Christopher J., Kirkland, WA, US

Chew, Chee H., Redmond, WA, US

Agent: BANNER & WITCOFF LTD., ATTORNEYS FOR MICROSOFT, 1001 G STREET , N.W., ELEVENTH STREET, WASHINGTON, DC, US

Language: EN (20 pages, 15 drawings)

Application: US 1997816449 A 19970312 (Continuation of application)

US 2002208228 A 20020730 (Local application)

Original IPC: G06F-15/16(A)

Current IPC: G06F-15/16(A)

Original US Class (main): 709245

Original US Class (secondary): 709219

Original Abstract: The present invention provides a common namespace for Internet and local filesystem objects. In a preferred embodiment, the common namespaces constructed by first accessing a namespace definition table. The namespace definition table contains entries referencing both a filesystem namespace subtree definition module and an Internet namespace subtree definition module. The entry referencing the filesystem namespace subtree definition module is used to access the filesystem namespace subtree definition module in order to define a filesystem namespace subtree that encompasses filesystem addresses. Similarly, the entry referencing the Internet namespace

subtree definition module is used to access the Internet namespace subtree definition module to define an Internet namespace subtree that encompasses Internet addresses. The defined filesystem and Internet namespace subtrees are then combined in order to assemble a namespace encompassing both filesystem addresses and Internet addresses.

Claim: We claim:

1. A computer system for displaying arbitrary content stored in an arbitrary location comprising in combination:
 - (a) a processor;
 - (b) a local filesystem; and
 - (c) a memory having stored thereon:
 - (i) a common namespace structure representing both local filesystem addresses and world wide web addresses;
 - (ii) a universal document viewer program having a plurality of modules capable of being executed by the processor, each module capable of displaying data of a particular type, and
 - (iii) a system component executed on the processor to receive an address, utilize the common namespace structure to resolve the address to represent a point either in the local filesystem or in the world wide web, retrieve data from the point, and utilize one of the modules in the universal document viewer program to display the retrieved data.

Publication No. US 6678724 B2 (Update 200405 E)

Publication Date: 20040113

Common namespace for internet and local filesystem objects

Assignee: Microsoft Corporation, Redmond, WA, US (MICT)

Inventor: Nakajima, Satoshi, Redmond, WA, US

Belfiore, Joseph D., Redmond, WA, US

Guzak, Christopher J., Kirkland, WA, US

Chew, Chee H., Redmond, WA, US

Agent: Banner & Witcoff, Ltd., US

Language: EN

Application: US 2002208228 A 20020730 (Local application)

Original IPC: G06F-15/16(A)

Current IPC: G06F-15/16(A)

Original US Class (main): 709219

Original Abstract: The present invention provides a common namespace for Internet and local filesystem objects. In a preferred embodiment, the common namespaces constructed by first accessing a namespace definition table. The namespace definition table contains entries referencing both a filesystem namespace subtree definition module and an Internet namespace subtree definition module. The entry referencing the filesystem namespace subtree definition module is used to access the filesystem namespace subtree definition module in order to define a filesystem namespace subtree that encompasses filesystem addresses. Similarly, the entry referencing the Internet namespace subtree definition module is used to access the Internet namespace subtree definition module to define an Internet namespace subtree that encompasses Internet addresses. The defined filesystem and Internet namespace subtrees are then combined in order to assemble a namespace encompassing both filesystem addresses and Internet addresses.

Claim: We claim:

1. A computer system for displaying arbitrary content stored in an arbitrary location comprising in combination:
 - (a) a processor;
 - (b) a local filesystem; and

- (c) a memory having stored thereon:
- (i) a common namespace structure representing both local filesystem addresses and world wide web addresses;
- (ii) a universal document viewer program having a plurality of modules capable of being executed by the processor, each module capable of displaying data of a particular type, and
- (iii) a system component executed on the processor to receive an address, utilize the common namespace structure to resolve the address to represent a point either in the local filesystem or in the world wide web, retrieve data from the point, and utilize one of the modules in the universal document viewer program to display the retrieved data.

48/7/83 (Item 83 from file: 350) [Links](#)

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0013305653 *Drawing available*

WPI Acc no: 2003-392598/

XRPX Acc No: N2003-313722

User information coordination method for computer network, involves encapsulating and decapsulating location of client record to retrieve record from database and then used in conjunction with tracking mechanism of web server

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: VERMA D C

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20030037131	A1	20030220	US 2001932735	A	20010817	200337	B

Priority Applications (no., kind, date): US 2001932735 A 20010817

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20030037131	A1	EN	12	5	

Alerting Abstract US A1

NOVELTY - A web server uses a tracking mechanism to collect client information and then stored as client record in a database. An **information** about the location of client record is **encapsulated** by an **encapsulator**. The location is then **decapsulated** by a **decapsulator** to **retrieve** client record from the **database**. The client **record** is then used in conjunction with tracking mechanism of another web server.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. user **information** coordination apparatus; and
2. program **storage** device readable by machine.

USE - For computer network.

ADVANTAGE - Enables same user tracking mechanism to be used across more than one domain.

DESCRIPTION OF DRAWINGS - The figure shows the user **information** coordination apparatus.

Title Terms /Index Terms/Additional Words: USER; INFORMATION; COORDINATE; METHOD; COMPUTER; NETWORK; ENCAPSULATE; LOCATE; CLIENT; RECORD; RETRIEVAL; DATABASE; CONJUNCTION; TRACK; MECHANISM; WEB; SERVE

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-015/173			Main		"Version 7"

US Classification, Issued: 709223000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B4P; T01-N02B2A; T01-S03

Original Publication Data by Authority

United States

Publication No. US 20030037131 A1 (Update 200337 B)

Publication Date: 20030220

User information coordination across multiple domains

Assignee: International Business Machines Corporation, Armonk, NY, US (IBMC)

Inventor: Verma, Dinesh C., Mt. Kisco, NY, US

Agent: Louis P. Herzberg, Intellectual Property Law Dept., IBM Corporation, P.O. Box 218, Yorktown Heights, NY, US

Language: EN (12 pages, 5 drawings)

Application: US 2001932735 A 20010817 (Local application)

Original IPC: G06F-15/173(A)

Current IPC: G06F-15/173(A)

Original US Class (main): 709223

Original Abstract: Methods and apparatus for sharing user information across the Internet, trackers and servers, in multiple domains. User-tracking mechanism deploy cookies placed in web-browser to track an user preference, or use URL rewriting techniques. In an embodiment, a first web site desiring to coordinate cookie information with a second web site creates a cookie in the browser, and stores information related to the information in the cookie in a cookie coordinator database. It directs the client to access a resource at the second web site. The URL of the resource on the second web site encapsulates the information about the location of the client record in a cookie coordinator database. The second web site places its own cookie on the client browser, and coordinates its information with the information in the cookie of the first web-browser by accessing the client record in the cookie coordinator database.

Claim: Having thus described our invention, what I claim as new and desire to secure by Letters Patent is as follows:

1. 1. A method comprising:

- employing a first web server in a first DNS domain, and a second web server in a second DNS domain, wherein the first web server uses a first user tracking mechanism to collect client information and stores the client information as a client record in a database;
- the first web server directing a client to access a resource at the second Web-Server;
- said resource encapsulating information about a location of the client record in the database;

- the second web server decapsulating the location and retrieving the client record from the database; and
- the second web server using the client record in conjunction with a second user tracking mechanism.

48/7/67 (Item 67 from file: 350) [Links](#)

Derwent WPIX

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0013568255 *Drawing available*

WPI Acc no: 2003-662586/200362

XRPX Acc No: N2003-528838

Content storage management method used in distributed computing network, involves allocating storage for files using received hints from content management system

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: DOYLE R P; KAMINSKY D L

Patent Family (2 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20030135522	A1	20030717	US 200247842	A	20020115	200362	B
US 6993520	B2	20060131	US 200247842	A	20020115	200610	E

Priority Applications (no., kind, date): US 200247842 A 20020115

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20030135522	A1	EN	22	10	

Alerting Abstract US A1

NOVELTY - The method involves receiving hints from a content management system (500) regarding relationships of the files with respect to a selected web page. The received hints specify the files that are to be referenced within temporal proximity of a reference to the selected web page, and are used to allocate storage for the files. The files include embedded object of the web page or other pages hyperlinked to the web page.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. system for efficiently storing files; and
2. computer program product for storing files.

USE - In distributed computing networks such as corporate intranets and extranets and internet for retrieving file content e.g. for business.

ADVANTAGE - Reduces the storage overhead and improves the efficiency, speed of accessing and retrieving of the stored content. Improves the data storage systems using the text editor and the placement of content on the storage devices.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the content storing method.
500 content management system

Title Terms /Index Terms/Additional Words: CONTENT; STORAGE; MANAGEMENT; METHOD;

DISTRIBUTE; COMPUTATION; NETWORK; ALLOCATE; FILE; RECEIVE; SYSTEM

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-012/00			Main		"Version 7"
G06F-0015/16	A	I	L	B	20060101
G06F-0017/30	A	I	F	B	20060101
G06F-0007/00	A	I	L	B	20060101

US Classification, Issued: 707200000, 707005000, 707010000, 707102000, 707200000, 709202000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-F05E; T01-N02A3B; T01-S03

Original Publication Data by Authority

United States

Publication No. US 20030135522 A1 (Update 200362 B)

Publication Date: 20030717

Integrated content management and block layout technique

Assignee: International Business Machines Corporation, Armonk, NY, US (IBMC)

Inventor: Doyle, Ronald P., Raleigh, NC, US

Kaminsky, David L., Chapel Hill, NC, US

Agent: Jeanine S. Ray-Yarletts, IBM Corporation T81/503, PO Box 12195, Research Triangle Park, NC, US

Language: EN (22 pages, 10 drawings)

Application: US 200247842 A 20020115 (Local application)

Original IPC: G06F-12/00(A)

Current IPC: G06F-12/00(A)

Original US Class (main): 707200

Original Abstract: Techniques are disclosed for storing content in distributed computing environments to reduce storage overhead and improve efficiency and/or speed of accessing and delivering the stored content. A content management system (or other authoring system, such as a text editor) supplies hints about dependencies among objects or files, such as which objects are embedded into a web page and which objects are referenced by the web page. These hints are then used when deploying the corresponding files on a storage system, such that the files which are likely to be retrieved together are (preferably) stored together. Optionally, run-time observations by a web server may be used as input to this process to determine how best to store content during a subsequent redeployment.

Claim: What is claimed is:

1. A method of efficiently storing content in a computing network, comprising steps of:

- receiving hints regarding relationships among files; and
- using the received hints to allocate storage for the files.

Publication No. US 6993520 B2 (Update 200610 E)

Publication Date: 20060131

Integrated content management and block layout technique

Assignee: International Business Machines Corporation, Armonk, NY, US (IBMC)

Doyle, Ronald P., Raleigh, NC, US Residence: US

Kaminsky, David L., Chapel Hill, NC, US Residence: US

Inventor: Doyle, Ronald P., Raleigh, NC, US Residence: US

Kaminsky, David L., Chapel Hill, NC, US Residence: US

Agent: Myers Bigel Sibley & Sajovec PA

Language: EN

Application: US 200247842 A 20020115 (Local application)

Original IPC: G06F-15/16(B,I,H,US,20060101,20060131,A,L) G06F-17/30(B,I,H,US,20060101,20060131,A,F)

G06F-7/00(B,I,H,US,20060101,20060131,A,L)

Current IPC: G06F-15/16(B,I,H,US,20060101,20060131,A,L) G06F-17/30(B,I,H,US,20060101,20060131,A,F)

G06F-7/00(B,I,H,US,20060101,20060131,A,L)

Original US Class (main): 7075

Original US Class (secondary): 70710 707102 707200 709202

Original Abstract: Techniques are disclosed for storing content in distributed computing environments to reduce storage overhead and improve efficiency and/or speed of accessing and delivering the stored content. A content management system (or other authoring system, such as a text editor) supplies hints about dependencies among objects or files, such as which objects are embedded into a web page and which objects are referenced by the web page. These hints are then used when deploying the corresponding files on a storage system, such that the files which are likely to be retrieved together are (preferably) stored together. Optionally, run-time observations by a web server may be used as input to this process to determine how best to store content during a subsequent redeployment.

Claim: What is claimed is:

1. 1. A method of storing content in a computing network, comprising:
 - generating by a content authoring tool a plurality of files and hints that specify one or more of the files that are likely to be referenced within a temporal proximity of reference to a selected other one of the files;
 - receiving at a storage system the plurality of files and hints from the content authoring tool; and
 - using the received hints to allocate storage within the storage system for the files.

48/7/103 (Item 103 from file: 350) [Links](#)

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0012874082 *Drawing available*

WPI Acc no: 2002-733157/

XRPX Acc No: N2002-578075

Transferring method for information from a local database in a handheld Internet appliance to a web site providing software plug-in to automatically fill the on-line form with a data record

Patent Assignee: EARTHLINK INC (EART-N); FLANK J (FLAN-I); MINIATI J (MINI-I); RENSIN D K (RENS-I); WILLIAMS G (WILL-I)

Inventor: FLANK J; MINIATI J; RENSIN D K; WILLIAMS G

Patent Family (3 patents, 93 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 2002084516	A1	20021024	WO 2001US12122	A	20010413	200279	B
US 20020152332	A1	20021017	US 2001834379	A	20010413	200281	NCE
AU 2001253466	A1	20021028	AU 2001253466	A	20010413	200433	E
			WO 2001US12122	A	20010413		

Priority Applications (no., kind, date): US 2001834379 A 20010413; WO 2001US12122 A 20010413

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
WO 2002084516	A1	EN	44	8	
National Designated States,Original	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW				
Regional Designated States,Original	AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW				
AU 2001253466	A1	EN			PCT Application WO 2001US12122 Based on OPI patent WO 2002084516

Alerting Abstract WO A1

NOVELTY - The method involves inserting a user interface in a web site for selecting several **data records** stored in the local **database** to fill on-line forms in the **web site**. A software plug-in is provided to automatically fill the on-line form with a **data record** selected from the **data records**. An application program interface is inserted in the **web site** for invoking the software plug-in.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- A. a system for **transferring information** from a local **database** in a handheld Internet appliance to a **web site**;
- B. a handheld Internet appliance.

USE - For **accessing Internet information** associated with a **data record** of a local handheld Internet appliance application.

ADVANTAGE - Allows automatic filling of on-line forms with **data records saved** in local **database** of handheld Internet appliance.

DESCRIPTION OF DRAWINGS - The figure shows the system and network environment in which the invention operates.

Title Terms /Index Terms/Additional Words: **TRANSFER; METHOD; INFORMATION; LOCAL; DATABASE; APPLIANCE; WEB; SITE; SOFTWARE; PLUG; AUTOMATIC; FILL; LINE; FORM; DATA; RECORD**

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-017/24; G06F-007 /00			Main		"Version 7"
G06F-017/30			Secondary		"Version 7"

US Classification, Issued: 709330000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-M06A1A; T01-N03B1; T01-N03B2

Original Publication Data by Authority

Australia

Publication No. AU 2001253466 A1 (Update 200433 E)

Publication Date: 20021028

Assignee: EARTHLINK INC (EART-N)

Inventor: RENSIN D K

MINIATI J

WILLIAMS G

FLANK J

Language: EN

Application: AU 2001253466 A 20010413 (Local application)

WO 2001US12122 A 20010413 (PCT Application)

Related Publication: WO 2002084516 A (Based on OPI patent)

United States

Publication No. US 20020152332 A1 (Update 200281 NCE)

Publication Date: 20021017

Systems and methods for integrating information from a database in a handheld internet appliance into a web site

Assignee: Rensin, David K., Tiburon, CA, US (RENS-I)

Miniaty, John, Menlo Park, CA, US (MINI-I)

Williams, George, Palo Alto, CA, US (WILL-I)

Flank, Joshua, Santa Clara, CA, US (FLAN-I)

Inventor: Rensin, David K., Tiburon, CA, US

Miniaty, John, Menlo Park, CA, US

Williams, George, Palo Alto, CA, US

Flank, Joshua, Santa Clara, CA, US

Agent: FISH & NEAVE, 1251 AVENUE OF THE AMERICAS, 50TH FLOOR, NEW YORK, NY, US

Language: EN

Application: US 2001834379 A 20010413 (Local application)

Priority: US 2001834379 A 20010413 (Local application)

Original IPC: G06F-7/00(A)

Current IPC: G06F-7/00(A)

Original US Class (main): 709330

Original Abstract: Systems and methods for transferring information from a local database in a handheld Internet appliance to a web site displayed on the handheld Internet appliance is provided. The systems and methods of the present invention consist of a software solution that enables users of handheld Internet appliances to automatically transfer information from local databases associated with local applications in the handheld Internet appliance to web sites containing on-line forms. A user interface is provided in the web site for enabling the user to automatically fill on-line forms with information stored in the handheld Internet appliance.

Claim: What is claimed is:

1. 1. A method for transferring information from a local database in a handheld Internet appliance to a web site displayed on the handheld Internet appliance, the method comprising:

- inserting a user interface in the web site for selecting a plurality of data records stored in the local database to fill a plurality of on-line forms in the web site;
- providing a software plug-in to automatically fill the on-line form with a data record selected from the plurality of data records; and
- inserting an application program interface in the web site for invoking the software plug-in.

WIPO

Publication No. WO 2002084516 A1 (Update 200279 B)

Publication Date: 20021024

SYSTEMS AND METHODS FOR TRANSFERRING INFORMATION BETWEEN A DATABASE IN A HANDHELD INTERNET APPLIANCE AND A WEB SITE

SYSTEMES ET PROCEDES PERMETTANT LE TRANSFERT DE DONNEES ENTRE UNE BASE DE DONNEES DANS UN APPAREIL INTERNET PORTABLE ET UN SITE WEB

Assignee: EARTHLINK, INC., Level A, 1375 Peachtree Street, Atlanta, GA 30309, US Residence: US

Nationality: US (EART-N)

Inventor: RENSIN, David, K., 5005 Paradise Drive, Tiburon, CA 94920, US

MINIATI, John, 2110 Cedar Avenue, Menlo Park, CA 94025, US

WILLIAMS, George, 171 Bryant Street, #K, Palo Alto, CA 94303, US

FLANK, Joshua, 3770 Flora Vista Avenue, #1204, Santa Clara, CA 95051, US

Agent: DEHAEMER, Michael, J., Jr., Fish & Neave, 1251 Avenue of the Americas, New York, NY 10020, US

Language: EN (44 pages, 8 drawings)

Application: WO 2001US12122 A 20010413 (Local application)

Designated States: (National Original) AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(Regional Original) AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

Original IPC: G06F-17/24(A) G06F-17/30(B)

Current IPC: G06F-17/24(A) G06F-17/30(B)

Original Abstract: Systems and methods for transferring information from a local database in a handheld Internet appliance to a web site displayed on the handheld Internet appliance is provided. The systems and methods of the present invention consist of a software solution that enables users of handheld Internet appliances to automatically transfer information from local databases associated with local applications in the handheld Internet appliance to web sites containing on-line forms. A user interface is provided in the web site for enabling the user to automatically fill on-line forms with information stored in the handheld Internet appliance.

48/7/205 (Item 205 from file: 350) [Links](#)

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0009344327 *Drawing available*

WPI Acc no: 1999-276902/

XRPX Acc No: N1999-207617

Data accessing method for internet

Patent Assignee: INTEL CORP (ITLC)

Inventor: ALTIS K; COX G W; RAMOS D

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 5896533	A	19990420	US 1995498928	A	19950706	199923	B

Priority Applications (no., kind, date): US 1995498928 A 19950706

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 5896533	A	EN	14	10	

Alerting Abstract US A

NOVELTY - World wide web (WWW) is selected from computer and **uniform resource locator (URL)** associated with desired WWW is designated. The **URL** from **object linking and embedding (OLE)** container (300) is passed to OLE surrogate server (308) which in turn passes the **URL** to **data access mechanism** (306). Data from WWW is accessed using the **URL** without modification of OLE compliant application. DETAILED DESCRIPTION - The **URL** is embedded in OLE container in response to WWW **data requesting** by OLE compliant application. The application is incapable of **accessing data using URL** without support by browser application. The **URL** from the OLE container is received by the OLE surrogate server without modification of OLE compliant application. The **retrieval of WWW data using URL** is also performed without modification of OLE compliant application. **Data** from the OLE surrogate container (310) is **forwarded** to the OLE server (302) without modification of compliant application. An INDEPENDENT CLAIM is included for WWW **data accessing apparatus**.

USE - For **accessing** world wide web **data** in internet using **object linking and embedding (OLE)** technology. ADVANTAGE - Facilitates effective usage of OLE surrogate server and OLE surrogate container for delivering WWW **data** to OLE compliant application. Enables automatic **accessing** of WWW **files** of arbitrary type by allowing applications on computer to conform to the OLE application programming interface. DESCRIPTION OF DRAWING(S) - The figure represents exemplary components of WWW **data accessing** method. (300) **Object linking and embedding (OLE)** container; (302) **OLE server**; (306) **Data accessing mechanism**; (308) **OLE surrogate server**.

Title Terms /Index Terms/Additional Words: **DATA; ACCESS; METHOD; PASS; CONTAINER;**

SURROGATE; SERVE; TURN; MECHANISM

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-015/163			Main		"Version 7"
G06F-009/00; G06F-009 /46			Secondary		"Version 7"

US Classification, Issued: 395680000, 395200330, 395200480

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-F02; T01-F06; T01-F07; T01-H07C5E

Original Publication Data by Authority

United States

Publication No. US 5896533 A (Update 199923 B)

Publication Date: 19990420

Accessing internets world-wide web through object linking and embedding technology.

Assignee: Intel Corporation, Santa Clara, CA, US (ITLC)

Inventor: Ramos, Daniel, Beaverton, OR, US

Cox, George W., Portland, OR, US

Altis, Kevin, Portland, OR, US

Agent: Blakely, Sokoloff, Taylor & Zafman LLP

Language: EN (14 pages, 10 drawings)

Application: US 1995498928 A 19950706 (Local application)

Original IPC: G06F-15/163(A) G06F-9/00(B) G06F-9/46(B)

Current IPC: G06F-15/163(A) G06F-9/00(B) G06F-9/46(B)

Original US Class (main): 395680

Original US Class (secondary): 395200.33 395200.48

Original Abstract: The method and apparatus of the present invention allows for all applications running on a computer which conform to the Object Linking and Embedding Application Programming Interface (OLE API) to automatically become capable of accessing World-Wide Web (WWW) files of arbitrary type. The standard OLE API is extended to utilize Uniform Resource Locators (URL), the WWW global naming convention.

Claim:

- 1. Claim 18.** A computer system for accessing world wide web data from world wide web as requested by an OLE

compliant application without modification to the OLE compliant application comprising;

- means for storing,
- a) means for transmitting having an OLE surrogate container coupled to said OLE server and said OLE surrogate server coupled to said OLE container, said means for transmitting and configured to transmit said world wide web data to an OLE server of said OLE compliant application through an OLE surrogate container and said request for said world wide web data from said OLE container of said OLE compliant application through an OLE surrogate server, said OLE compliant application being a non-browser type application incapable of accessing world wide web data using a uniform resource locator (URL) without support by a browser application,
- b) means for retrieving and storing said world wide web data from said world wide web to said OLE surrogate container, said means for retrieving coupled to said means for transmitting and
- means for running said means for transmitting, said means for retrieving and said means for having, said means for running coupled to said means for storing.

48/7/66 (Item 66 from file: 350) [Links](#)

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0013576153 *Drawing available*

WPI Acc no: 2003-670674/

XRPX Acc No: N2003-535505

Client server direct network connecting method, involves creating data string for data file that resides on computer, attaching uniform resource locator to data string and sending to custom server based application

Patent Assignee: MENTCHOUKOV N (MENT-I)

Inventor: MENTCHOUKOV N

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20030120727	A1	20030626	US 2001340692	P	20011212	200363	B
			US 2002316431	A	20021211		

Priority Applications (no., kind, date): US 2001340692 P 20011212; US 2002316431 A 20021211

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20030120727	A1	EN	21	8	Related to Provisional US 2001340692

Alerting Abstract US A1

NOVELTY - The method involves creating **data** string that represents the contents of the **file** selected from a computer. A uniform resource locator is attached to data string, which represents the custom server-based application. The **data** string and **uniform resource locator** is transmitted to custom server based application without opening the computer or using a browser.

DESCRIPTION - An INDEPENDENT CLAIM is also included for a system for sending a custom server-based application to a non-conversational message from one or more files of a said computer.

USE - Used to establish direct network **connection** between client and **server** computer systems.

ADVANTAGE - The method reduces impact on system resources, as overhead support software is not required and also conservation of bandwidth is obtained. Minimal **information** exchange without user interaction maintains privacy and the method also minimizes the amount of unintended **information transferred** from client to the **server** system as **transmission** is done without opening the computer or using a browser.

DESCRIPTION OF DRAWINGS - The drawing shows the overview of the relationship among the **website** servers and the users.

Title Terms /Index Terms/Additional Words: CLIENT; SERVE; DIRECT ; NETWORK; CONNECT; METHOD; DATA; STRING; FILE; COMPUTER; ATTACH; UNIFORM; RESOURCE; LOCATE; SEND; CUSTOM; BASED; APPLY

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-015/16			Main		"Version 7"
G06F-017/60			Secondary		"Version 7"

US Classification, Issued: 709203000, 709245000, 705014000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-N02A2C

Original Publication Data by Authority

United States

Publication No. US 20030120727 A1 (Update 200363 B)

Publication Date: 20030626

Method and system for file server direct connection

Assignee: MENTCHOUKOV, Nikolai, Scottsdale, AZ, US (MENT-I)

Inventor: MENTCHOUKOV, Nikolai, Scottsdale, AZ, US

Agent: GREENBERG TRAURIG, P.A., 1221 Brickell Avenue, Miami, FL, US

Language: EN (21 pages, 8 drawings)

Application: US 2001340692 P 20011212 (Related to Provisional)

US 2002316431 A 20021211 (Local application)

Original IPC: G06F-15/16(A) G06F-17/60(B)

Current IPC: G06F-15/16(A) G06F-17/60(B)

Original US Class (main): 709203

Original US Class (secondary): 709245 70514

Original Abstract: A system for directly establishing network connections between a client and server system by means of a single compiled file that does not require an additional network communications system such as a web browser or other supporting application. Specifically, by launching the compiled file itself, a network connection is established to an encoded URL, and information is delivered to the user in the form of streaming media. Differing from a typical browser, or other typical network enabling software systems, the communication link established by the compiled file is predominantly one way and non-conversational. Relying on graphical animation media, the system permits the delivery of new information and embedded code in response to a user's action. Impact on system resources is reduced as overhead support software is not required. Likewise bandwidth is conserved and issues of privacy are maintained as minimal information is exchanged without user interaction.

Claim: What is claimed is:

1. 1. A method for sending to a custom server-based application a non-conversational message from one or more self-contained data files from a computer attached to a network using Internet Protocol without opening said computer to said network and without use of a browser application, comprising the steps of:
 - selecting a data file residing on said computer;
 - creating on said computer a data string representing contents of said data file;

- attaching to said data string a URL indicator corresponding to said custom server based application; and
- sending from said computer said data string and said URL indicator in such manner that said network is used for transmittal of said data string and said URL indicator to said custom server based application, and such transmittal may be made without opening said computer to said network or use of a browser application.

48/7/61 (Item 61 from file: 350) [Links](#)

Derwent WPIX

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0013611650 *Drawing available*

WPI Acc no: 2003-706900/200367

Related WPI Acc No: 2000-071554

XRPX Acc No: N2003-564633

Database management system access program storage device, has instructions for invoking script within requested active server page identified by URL so as to execute database query in URL

Patent Assignee: MICRON ELECTRONICS INC (MICR-N)

Inventor: ANDERSEN T

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6363398	B1	20020326	US 1997978032	A	19971125	200367	B
			US 1999351927	A	19990712		

Priority Applications (no., kind, date): US 1997978032 A 19971125; US 1999351927 A 19990712

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
US 6363398	B1	EN	9	4	Continuation of application	US 1997978032
					Continuation of patent	US 5999941

Alerting Abstract US B1

NOVELTY - The storage device has instructions for sending a request from a client to access an active server page identified by a URL prepared by Java applet (106) running on the client computer (103), to a server (109). The server invokes a script within the page, in response to the request, so that a database query in the URL is executed. The execution result is provided in a HTML document sent to the client computer.

DESCRIPTION - An INDEPENDENT CLAIM is also included for personal computer configured to access database management system.

USE - For storing program for accessing database management system (DBMS) from within Java applet running on personal computer (PC) (claimed) of client, for stock price quoting system applications.

ADVANTAGE - Enables easily accessing the database management system from the Java applet running on the client computer with improved security and efficiency.

DESCRIPTION OF DRAWINGS - The figure shows a schematic diagram of the stock price quoting system implemented using the Java applet.

102 monitor

103 personal computer

104 operating system

108 DBMS

109 server

Title Terms /Index Terms/Additional Words: DATABASE; MANAGEMENT; SYSTEM; ACCESS; PROGRAM; STORAGE; DEVICE; INSTRUCTION; INVOKE; SCRIPT; REQUEST; ACTIVE; SERVE; PAGE; IDENTIFY; SO; EXECUTE; QUERY

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-017/00			Main		"Version 7"
G06F-017/30			Secondary		"Version 7"

US Classification, Issued: 707103000, 707104000, 707010000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-F05A; T01-J05B4M; T01-J11C1; T01-N02A2C

Original Publication Data by Authority

United States

Publication No. US 6363398 B1 (Update 200367 B)

Publication Date: 20020326

Database access using active server pages.

Assignee: Micron Electronics, Inc., Boise, ID, US (MICR-N)

Inventor: Andersen, Todd, Meridian, ID, US

Agent: Park, Vaughan & Fleming LLP

Language: EN (9 pages, 4 drawings)

Application: US 1997978032 A 19971125 (Continuation of application)

US 1999351927 A 19990712 (Local application)

Related Publication: US 5999941 A (Continuation of patent)

Original IPC: G06F-17/00(A) G06F-17/30(B)

Current IPC: G06F-17/00(A) G06F-17/30(B)

Original US Class (main): 707103

Original US Class (secondary): 707104 70710

Original Abstract: A method and system for accessing a database management system running on a server computer from within a JAVA applet running on a client computer. The JAVA applet prepares a URL to address an active server page on the server computer, embedding a database query within the URL. The JAVA applet then accesses the active server page using the prepared URL. The server computer, upon receiving a request for access to the active server page, executes a script stored within the active server page that receives the database query embedded within the URL, passes the query to the database management system, receives from the database management system the query results, creates a HTML document, and stores the query results in the HTML document. The server

computer then returns the HTML document to the client computer, where the JAVA applet reads the query results from the HTML document.

Claim:

1. A program storage device containing computer code that enables a client computer system to:
 - construct a uniform resource locator that identifies an active server page on a server computer, the uniform resource locator including a database query encoded as an argument;
 - send to the server computer a request to access the active server page identified by the uniform resource locator, the sending of the request causing the server to invoke a script within the active server page that causes the database query to be executed and that packages results from the database query execution into a hypertext markup language document and causing the server computer to return the hypertext markup language document containing the results from the database query execution to the client computer; and
 - receive the returned hypertext markup language document from the server computer and read from the hypertext markup language document the results of the database query execution.

48/7/18 (Item 18 from file: 350) [Links](#)

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0014724638 *Drawing available*

WPI Acc no: 2005-072257/

Related WPI Acc No: 2002-454252

XRPX Acc No: N2005-062240

Web tool usage tracking method for use in Internet, involves transmitting web page files from web tool to web user computer and executing page files and broken image tracking tag

Patent Assignee: HEWLETT-PACKARD DEV CO LP (HEWP)

Inventor: DECIME J B; PARRISH M

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6836801	B1	20041228	US 2000687794	A	20001012	200508	B

Priority Applications (no., kind, date): US 2000687794 A 20001012

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 6836801	B1	EN	13	6	

Alerting Abstract US B1

NOVELTY - The method involves providing a web user via a computer. **Web page files** are inserted into a broken image tracking (BIT) tag that includes user **information** linked with web user's use of a web tool and **BIT URL** designating a server, based on a user accessing the tool. The files are **transmitted** from the tool to the computer. The **files** and the tag are executed by the computer, and the **information** is transmitted to a server.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- a. a system for tracking web user's use of a web tool
- b. a computer program product for tracking use of a web tool by a web user.

USE - Used for tracking usage of a web tool that is utilized for on-line service e.g. sale, auction, **information** service, virtual forum, customer support, and expert assistance service, in an Internet.

ADVANTAGE - The method facilitates executing the **web page files** and the broken image tracking tag, thus tracking the use of web tools in systems that provide multiple web tools through multiple servers.

DESCRIPTION OF DRAWINGS - The drawing shows a block diagram of a broken image tracking (BIT) system.

112A-112C Web tool server

113A-113C Web tool programs

114 Internet program
118 Web tool **database server**
120 Web user

Title Terms /Index Terms/Additional Words: WEB; TOOL; TRACK; METHOD; TRANSMIT; PAGE; FILE; USER; COMPUTER; EXECUTE; BREAK; IMAGE; TAG

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-015/173			Main		"Version 7"

US Classification, Issued: 709224000, 709203000, 709217000, 709219000, 707003000, 707010000

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-N02B2A; T01-N03A1; T01-S03

Original Publication Data by Authority

United States

Publication No. US 6836801 B1 (Update 200508 B)

Publication Date: 20041228

System and method for tracking the use of a web tool by a web user by using broken image tracking

Assignee: Hewlett-Packard Development Company, L.P., Houston, TX, US (HEWP)

Inventor: Parrish, Matthew, Boise, ID, US

Decime, Jerry B., Eagle, ID, US

Language: EN (13 pages, 6 drawings)

Application: US 2000687794 A 20001012 (Local application)

Original IPC: G06F-15/173(A)

Current IPC: G06F-15/173(A)

Original US Class (main): 709224

Original US Class (secondary): 709203 709217 709219 7073 70710

Original Abstract: The present invention provides a web tool usage tracking method and system. One embodiment generally involves providing to a web user access to a web tool. In providing the web tool, one or more web page files, in connection with the user accessing the web tool, are transmitted to the web user. Within at least one of the web page files transmitted to the user, a command is inserted. The command has embedded user information that is associated with the web user's use of the web tool. The command causes the web user computer to transmit to a server that is designated within the command a request including the embedded user information. The designated server stores the user information in a database in response to the request being processed by the designated server.

Claim: What is claimed is:

1. 18. A web tool system having a capability of tracking a user's use of a web tool, comprising:

- a web tool server communicatively linked to a web user computer for providing a web user with access to a web tool, the web tool server including a web tool program configured to generate and provide to the web user computer one or more web page files in connection with the web user engaging in a session with the web tool wherein the web pane files correspond to desired information to be received and viewed by the user, the web tool server further being configured to include in the one or more web page files a Broken Image Tracking ("BIT") tag including a BIT URL and embedded user information associated with the web user's use of the web tool, and wherein:
- the at least one web page file and the BIT tag are configured to be executed by the user computer after the web page has been received by the web user computer; and
- the at least one web page file is configured to be displayed by the web user computer; and
- a designated server identified in the BIT URL and communicatively linked to the web user computer, the designated server including a web server with an error log; and
- a user information database server communicatively linked to the designated server, wherein the designated server is configured to transfer the user information from the BIT URL to the user information database in response to processing the BIT URL.

48/7/17 (Item 17 from file: 350) [Links](#)

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0014873166 *Drawing available*

WPI Acc no: 2005-220887/

XRPX Acc No: N2005-181999

Network-based system for providing automatic login to network-connected data source, directs automated navigation and login to data source defined by hyperlink invoked by user, by inserting prestored user data into fields of login request

Patent Assignee: YODLEE.COM INC (YODL-N)

Inventor: DASWANI N; RANGARAJAN A; WU J

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6865680	B1	20050308	US 2000703432	A	20001031	200523	B

Priority Applications (no., kind, date): US 2000703432 A 20001031

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 6865680	B1	EN	19	8	

Alerting Abstract US B1

NOVELTY - A **data repository accessible to network-connected server node, stores data about user**. The user operating a wireless communication appliance, invokes a **hyperlink containing browser instruction for contacting server node**, and displayed in user interface. The **server node directs automated navigation and login to network-connected data source defined by hyperlink, by inserting data retrieved from repository into fields of login request**.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. proxy server; and
2. method for establishing a network data session by proxy.

USE - For providing automatic login to a **network-connected data source on behalf of network-connected user** accessing the system through a wireless communication appliance or internet-enabled devices such as handheld computer, cellular telephone.

ADVANTAGE - Ensures automatic login to authentication-oriented websites from wireless internet-enabled devices, thereby alleviating much frustrations for users who **routinely access sensitive sites through portable devices**.

DESCRIPTION OF DRAWINGS - The figure shows an overview of the communication network implementing

auto-login.

Title Terms /Index Terms/Additional Words: NETWORK; BASED; SYSTEM; AUTOMATIC; CONNECT; DATA; SOURCE; DIRECT; NAVIGATION; DEFINE; INVOKE; USER; INSERT; FIELD; REQUEST

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
H04L-009/00			Main		"Version 7"
G06F-011/30; G06F-015 /16; H04K-00 1/00			Secondary		"Version 7"

US Classification, Issued: 713201000, 713182000, 713184000, 713193000, 713202000, 380270000, 709229000

File Segment: EPI;

DWPI Class: T01; W01

Manual Codes (EPI/S-X): T01-N02B1B; W01-A05B

Original Publication Data by Authority

United States

Publication No. US 6865680 B1 (Update 200523 B)

Publication Date: 20050308

Method and apparatus enabling automatic login for wireless internet-capable devices

Assignee: Yodlee.com, Inc., Redwood Shores, CA, US (YODL-N)

Inventor: Wu, Jonathan, Mountain View, CA, US

Daswani, Neil, Edison, NJ, US

Rangarajan, Anand, Sunnyvale, CA, US

Agent: Boys, Donald R., US

Central Coast Patent Agency, Inc., US

Language: EN (19 pages, 8 drawings)

Application: US 2000703432 A 20001031 (Local application)

Original IPC: H04L-9/00(A) G06F-11/30(B) G06F-15/16(B) H04K-1/00(B)

Current IPC: H04L-9/00(A) G06F-11/30(B) G06F-15/16(B) H04K-1/00(B)

Original US Class (main): 713201

Original US Class (secondary): 713182 713184 713193 713202 380270 709229

Original Abstract: A network-based system for providing automatic login to a network-connected data source on behalf of a network-connected user accessing the system through a wireless communication appliance is provided. The system comprises, a wireless communication appliance, the appliance having network capability and an interactive user interface, the appliance operated for the purpose of accessing the network-connected data source, a network service-provider for providing access to the network; a network gateway for managing communication between the appliance and network-connected data source, a network-connected server node for performing proxy navigation and automated login services for the network-connected user, a data repository accessible to the network-connected server node, the data repository for holding data about the network-connected user and, a network-connected data source, the data source accessible to the network-connected server node. In preferred embodiments, a user operating the appliance while connected to the network invokes a hyperlink displayed in the user interface, the hyperlink containing a browser instruction for contacting the network-connected server node, the server node directing automated navigation to and login to the data source defined by the hyperlink, the login is accomplished through automated insertion of user data retrieved from the data repository into the appropriate fields of a login request.

Claim: What is claimed is:

1. 1. A network-based system for providing automatic login to a network-connected data source on behalf of a network-connected user accessing the system through a wireless communication appliance comprising:
 - a wireless communication appliance, the appliance having network capability and an interactive user interface, the appliance operated for the purpose of accessing the network-connected data source;
 - a network service-provider for providing access to the network;
 - a network gateway for managing communication between the appliance and network-connected data source;
 - a network-connected server node for performing proxy navigation and automated login services for the network-connected user;
 - a data repository accessible to the network-connected server node, the data repository for holding data about the network-connected user; and
 - a network-connected data source, the data source accessible to the network-connected server node, characterized in that a user operating the appliance while connected to the network invokes a hyperlink displayed in the user interface, the hyperlink containing a browser instruction for contacting the network-connected server node, the server node directing automated navigation to and login to the data source defined by the hyperlink, the login accomplished through automated insertion of user data retrieved from the data repository into the appropriate fields of a login request.

48/7/169 (Item 169 from file: 350) [Links](#)

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0010850627 *Drawing available*

WPI Acc no: 2001-469404/200151

XRPX Acc No: N2001-348391

Information processing control system for internet, transmits web data and additional information related with universal resource locator to processing terminal, on registering locator related to user access demand

Patent Assignee: IBM CORP (IBMC); INT BUSINESS MACHINES CORP (IBMC); KUSUDA R (KUSU-I)

Inventor: KUSUDA M; KUSUDA R; RIYOSHI K

Patent Family (5 patents, 3 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 2001167032	A	20010622	JP 1999341459	A	19991130	200151	B
US 20010016872	A1	20010823	US 2000727083	A	20001130	200151	E
CN 1305145	A	20010725	CN 2000130903	A	20001120	200164	E
JP 3594231	B2	20041124	JP 1999341459	A	19991130	200477	E
CN 1229715	C	20051130	CN 2000130903	A	20001120	200652	E

Priority Applications (no., kind, date): JP 1999341459 A 19991130

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
JP 2001167032	A	JA	24	14		
JP 3594231	B2	JA	27		Previously issued patent	JP 2001167032

Alerting Abstract JP A

NOVELTY - The processing terminal (200) adds preset **information** to web **data** acquired from web server (120) using client application program (220). The **server** (100) has a cache manager (122) that holds the additional **information** added to web contents and universal resource **locator (URL)** of web **data**. A selector (124) transmits the web **data** with **URL** and additional **information** related with **URL** to terminal, when **URL** corresponding to user **access demand** is detected in cache manager.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- A. Information processing assistance server;
- B. Information processing terminal;
- C. Information processing procedure;
- D. Memory medium storing information processing program;
- E. Program transmitter

USE - For processing web **data** in internet.

ADVANTAGE - By relating information added to server with web data, users can share the additional information easily, thereby web accessing is simplified.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of information processing control system. (Drawing includes non-English language text).

100 Server

120 Web server

122 Cache manager

124 Selector

200 Processing terminal

220 Client application program

Title Terms /Index Terms/Additional Words: INFORMATION; PROCESS; CONTROL; SYSTEM; TRANSMIT; WEB; DATA; ADD; RELATED; UNIVERSAL; RESOURCE; LOCATE; TERMINAL; REGISTER; USER; ACCESS; DEMAND

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-013/00; G06F-003 /14			Main		"Version 7"
G06F-015/00; G06F-003 /00			Secondary		"Version 7"
G06Q-0030/00	A	I		R	20060101
H04L-0029/08	A	I		R	20060101
G06Q-0030/00	C	I		R	20060101
H04L-0029/08	C	I		R	20060101

US Classification, Issued: 709206000, 709219000, 709205000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-H07C; T01-M02A1

Original Publication Data by Authority

China

Publication No. CN 1229715 C (Update 200652 E)

Publication Date: 20051130

Assignee: IBM CORP; US (IBMC)
Inventor: RIYOSHI K
Language: ZH
Application: CN 2000130903 A 20001120 (Local application)
Priority: JP 1999341459 A 19991130
Original IPC: G06F-3/14(A) G06F-13/00(B)
Current IPC: G06F-3/14(A) G06F-13/00(B)

Publication No. CN 1305145 A (Update 200164 E)

Publication Date: 20010725

Assignee: INT BUSINESS MACHINES CORP; US (IBMC)
Language: ZH
Application: CN 2000130903 A 20001120 (Local application)
Priority: JP 1999341459 A 19991130
Original IPC: G06F-3/14(A) G06F-13/00(B)
Current IPC: G06Q-30/00(R,A,I,M,EP,20060101,20051008,A) G06Q-30/00(R,I,M,EP,20060101,20051008,C)
H04L-29/08(R,I,M,EP,20060101,20051008,A) H04L-29/08(R,I,M,EP,20060101,20051008,C)

Japan

Publication No. JP 2001167032 A (Update 200151 B)

Publication Date: 20010622

**INFORMATION CONTROL SYSTEM, INFORMATION PROCESSING SUPPORTING SERVER,
INFORMATION PROCESSING TERMINAL, INFORMATION PROCESSING METHOD, STORAGE
MEDIUM WITH STORED INFORMATION PROCESSING PROGRAM AND PROGRAM
TRANSMITTING DEVICE**

Assignee: INTERNATL BUSINESS MACH CORP <IBM> (IBMC)
Inventor: KUSUDA MICHIYOSHI
Language: JA (24 pages, 14 drawings)
Application: JP 1999341459 A 19991130 (Local application)
Original IPC: G06F-13/00(A) G06F-3/00(B) G06F-15/00(B)
Current IPC: G06F-13/00(A) G06F-15/00(B) G06F-3/00(B)

Publication No. JP 3594231 B2 (Update 200477 E)

Publication Date: 20041124

Language: JA (27 pages)

Application: JP 1999341459 A 19991130 (Local application)

Related Publication: JP 2001167032 A (Previously issued patent)

United States

Publication No. US 20010016872 A1 (Update 200151 E)

Publication Date: 20010823

**Information control system, information processing support server, information processing terminal,
information processing method, storage storing information processing program, and program transmission**

apparatus

Assignee: Kusuda, Rika, Yamato-shi, JP (KUSU-I)

Inventor: Kusuda, Rika, Yamato-shi, JP

Agent: Ronald L. Drumheller, Esq., 94 Teakettle Spout Road, Mahopac, NY, US

Language: EN

Application: US 2000727083 A 20001130 (Local application)

Priority: JP 1999341459 A 19991130

Original IPC: G06F-15/16(A)

Current IPC: G06Q-30/00(R,I,M,EP,20060101,20051008,A) G06Q-30/00(R,I,M,EP,20060101,20051008,C)

H04L-29/08(R,I,M,EP,20060101,20051008,A) H04L-29/08(R,I,M,EP,20060101,20051008,C)

Original US Class (secondary): 709206 709219 709205

Original Abstract: An information Control system makes it possible for a plurality of users to share attached-information by registering the attached-information, which is added to WWW contents, in a server by associating the attached-information with the WWW contents. The information control system includes an information processing support server 100, and a plurality of information processing terminals 200 that obtain WWW contents via this information processing support server 100 and perform work using these WWW contents, the information processing terminal 200 including a client application 220 adding attached-information to the WWW contents obtained, the information processing support server 100 including a cache manager 122 retaining the attached-information, added to the WWW contents, and a URL of the WWW contents by associating them with each other, and a URL list selector 124 transmitting a Web content, having this URL, and the attached-information, associated with this URL, to an information processing terminal if an access request from the information processing terminal corresponds to the URL retained.

Claim:

1. 1. An information control system supporting collaboration for a plurality of information processing terminals that treat a Web content, comprising:

- an information processing support server connected to a Web server via a communication network; and
- the plurality of information processing terminals that obtain a Web content provided by the Web server via the information processing support server and perform work using the Web content, the plurality of information processing terminals each comprising:
 - an attached-information adding-section adding predetermined attached-information to the Web content obtained, the information processing support server comprising:
 - an attached-information managing-section retaining attached-information, added to the Web content by the information processing terminal, and a URL of the Web content with associating them with each other; and
 - an attached-information transmitter transmitting the Web content, having the URL, and the attached-information, associated with the URL, to the information processing terminal if an access request from the information processing terminal corresponds to the URL retained in the attached-information managing-section.

48/7/261 (Item 261 from file: 347) [Links](#)

JAPIO

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06290694 **Image available**

INFORMATION RETRIEVING SYSTEM

Pub. No.: 11-232286 [JP 11232286 A]

Published: August 27, 1999 (19990827)

Inventor: SHINODA TAKASHI

MOCHIDA AKIHIRO

KATO TSUTOMU

KIKUTA ATSUSHI

Applicant: HITACHI LTD

Application No.: 10-029623 [JP 9829623]

Filed: February 12, 1998 (19980212)

ABSTRACT

PROBLEM TO BE SOLVED: To retrieve a Web page with the same mark without retrieving a key word nor generating a link directory when the Web page is retrieved.

SOLUTION: A mark ID etc., is implanted in a specified mark image by responding a mark request from a WWW(world wide web) server 102, information on the Web page corresponding to the mark ID is registered in a mark control DB 2021 and the mark in which the information is implanted is transmitted to the server 102 by a mark control server 103. The mark is attached to the created Web page and registered in a Web page DB 3021 by the server 102. The Web page is acquired from the server 102, the information implanted in the mark is read and a request for retrieval by the mark is issued to the server 103 by a client terminal 101. Information related to the Web page corresponding to the specified mark ID is transmitted to the terminal 101 by referring to the DB 2021, by the server 103.

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48/7/13 (Item 13 from file: 350) [Links](#)

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0015606885 *Drawing available*

WPI Acc no: 2006-171057/200618

Related WPI Acc No: 2003-585257

XRPX Acc No: N2006-147551

Digital radio terminal for accessing e.g. news, has processor capturing and storing digital data stream transmitted as part of broadcast in memory buffer, and displaying information relating to captured data

Patent Assignee: NOKIA CORP (OYNO)

Inventor: JARVI J; NIHTILA J

Patent Family (1 patents, 1 countries)

i. Patent Number	ii. Kind	iii. Date	iv. Application Number	v. Kind	vi. Date	vii. Update	viii. Type
ix. US 20060030378	x. Axi. 2006 1	xii. 0209	xiii. US 2001969864	xiv. A 1004	xv. 20011004	xvi. B 618	
xvii.	xviii.	xix.	xx. US 2005248324	xxi. A 3	xxii. 20051013	xxiii.	xxiv.

xxv.

FILED
4 OCT 2001

Priority Applications (no., kind, date): US 2001969864 A 20011004; US 2005248324 A 20051013

Patent Details

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Alerting Abstract US A1

NOVELTY - The terminal has a radio broadcast receiver (410) integrated in a digital radio terminal. A processor (445) captures a digital data stream transmitted as part of a broadcast, where a service link e.g. Internet URL, is embedded within the data stream and stores the captured data stream in a memory buffer. The processor displays information relating to the captured data stream on a display of the radio terminal.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- a. a method for establishing a **connection** between a mobile terminal and a mobile service platform
- b. a mobile terminal comprising a processor.

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USE - For **accessing** a mobile internet service e.g. news, financial **data**, etc.

ADVANTAGE - The processor captures the digital **data** stream transmitted as part of the radio broadcast and **stores** the captured **data** stream in a memory buffer, and displays **information** relating to the captured **data** stream on a display of the radio terminal, thus effectively enabling a user of a digital mobile terminal to interact with a back-end content e.g. news, provider's **information** base.

DESCRIPTION OF DRAWINGS - The drawing shows a block diagram of a digital mobile terminal based on the digital radio terminal.

405 Mobile terminal circuit

410 Radio receiver

420 Speaker

425 Digital **data** stream extraction circuit

445 Processor

Title Terms /Index Terms/Additional Words: DIGITAL; RADIO; TERMINAL; ACCESS; NEWS; PROCESSOR; CAPTURE; STORAGE; DATA; STREAM; TRANSMIT; PART; BROADCAST; MEMORY; BUFFER; DISPLAY; INFORMATION; RELATED

Class Codes

International Patent Classification

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xli.

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Two channel communication system using RDS datastream broadcasting

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Original US Class (secondary): 455575.1

Original Abstract: Aspects of the invention comprise a digital mobile terminal system for accessing mobile internet services including a VHF/AM/FM radio receiver and a subsystem that handles interfaces and interactions between the digital mobile terminal and a radio network via a digital (e.g., RDS) data stream, interfaces and interactions between the digital mobile terminal and a mobile internet services platform, and interfaces and interactions between the digital mobile terminal and a user seeking to access and interact with mobile internet services. The present invention also comprises a radio broadcasting server platform for transmitting an RDS data stream including a subsystem that handles interfaces and interaction between the radio broadcasting server platform and a radio network via the digital (e.g., RDS) data stream and interfaces and interactions between the radio broadcasting server platform and a mobile internet services platform.

Claim: What is claimed is:

1. 1. A digital radio terminal, comprising:

- a radio receiver integrated in said digital radio terminal, said radio receiver configured to receive a radio broadcast; and
- a processor to execute computer readable instructions stored in a memory, said computer readable instructions performing the steps of:
 - capturing a digital data stream transmitted as part of the radio broadcast, wherein a service link is embedded within said digital data stream;
 - storing said captured digital data stream in a memory buffer; and
 - displaying information relating to said captured data stream on a display of said digital radio terminal;
- wherein said service link includes information for providing said digital radio terminal means to interact with a mobile service platform corresponding to said service link.